Chemical constituent of β-glucuronidase inhibitors from the root of *Neolitsea acuminatissima*

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† These authors contributed equally to this work.

The List of Supplementary Material

Preliminary anti-eβG screening assay of partial Lauraceae plants

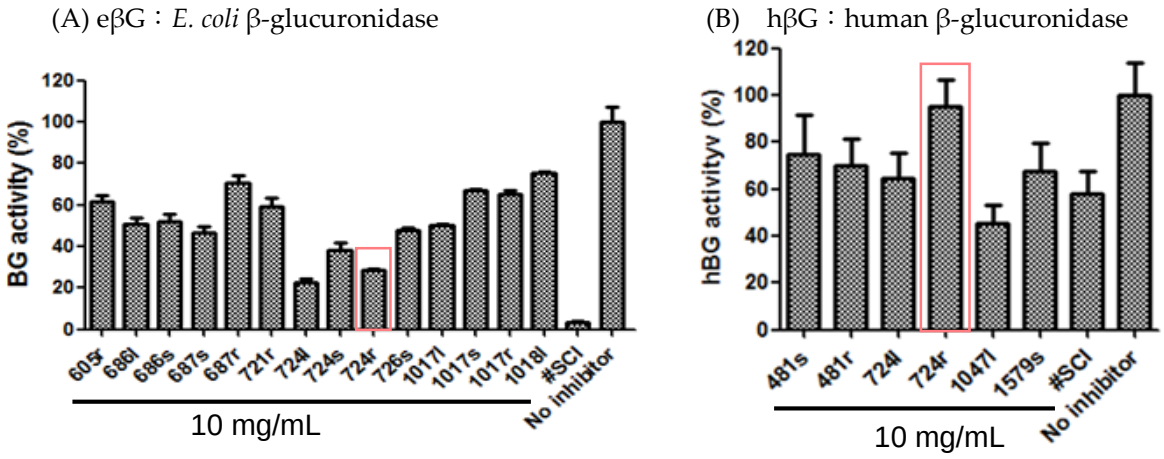
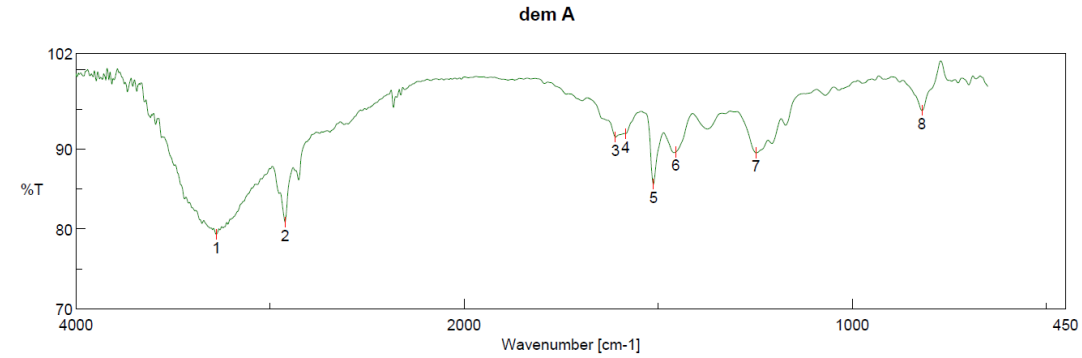


Figure S1 (A) Anti-eβG activity of different samples and (B) anti-hβG activity in human intestines. 724r is the methanolic extract of the root of *N. acuminatissima*. #SCI: 1-((6,8-dimethyl-2-oxo-1,2-dihydroquinolin-3-yl) methyl)-3-(4-ethoxyphenyl)-1-(2-hydroxyethyl) thiourea was used as positive control.



[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity	No.	Position	Intensity
1	3277.43	79.2999	2	2923.56	80.8587	3	1610.27	91.4946
4	1583.27	91.9341	5	1511.92	85.5947	6	1455.03	89.6202
7	1247.72	89.5222	8	820.563	94.8331			

Figure S2 FTIR spectrum of **1**

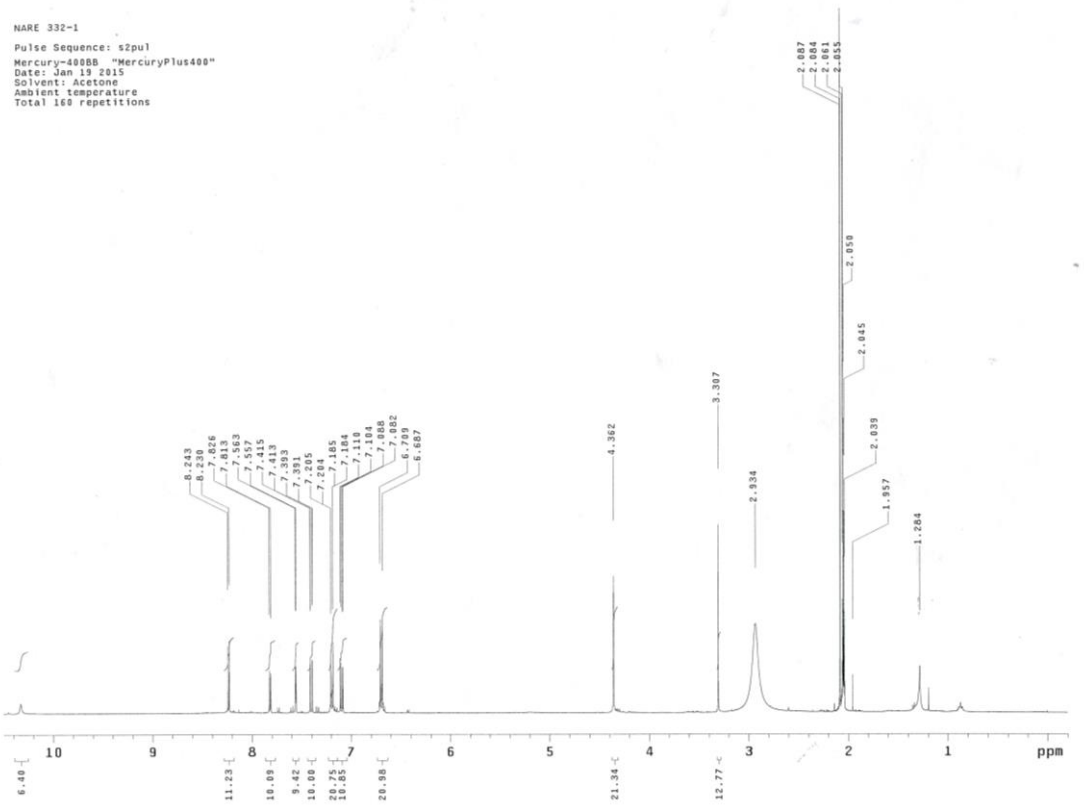


Figure S3 ^{1}H NMR spectrum of **1** (400 MHz, acetone-d_6)

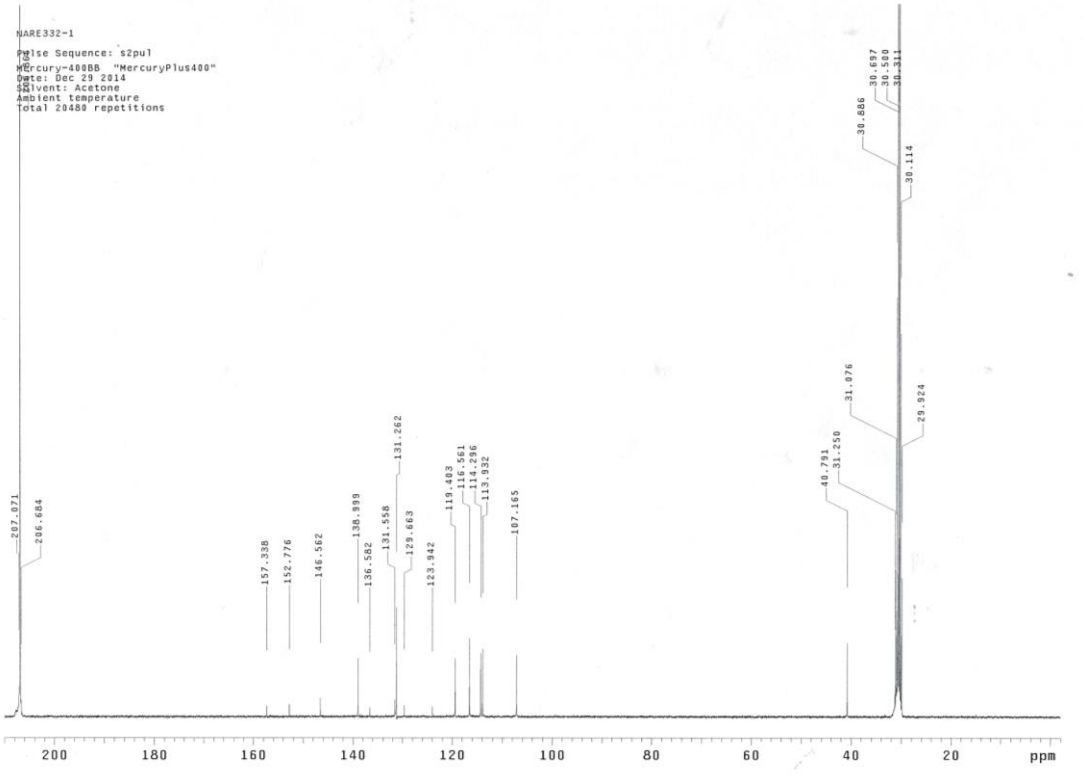


Figure S4 ^{13}C NMR spectrum of **1** (100 MHz, acetone-d_6)

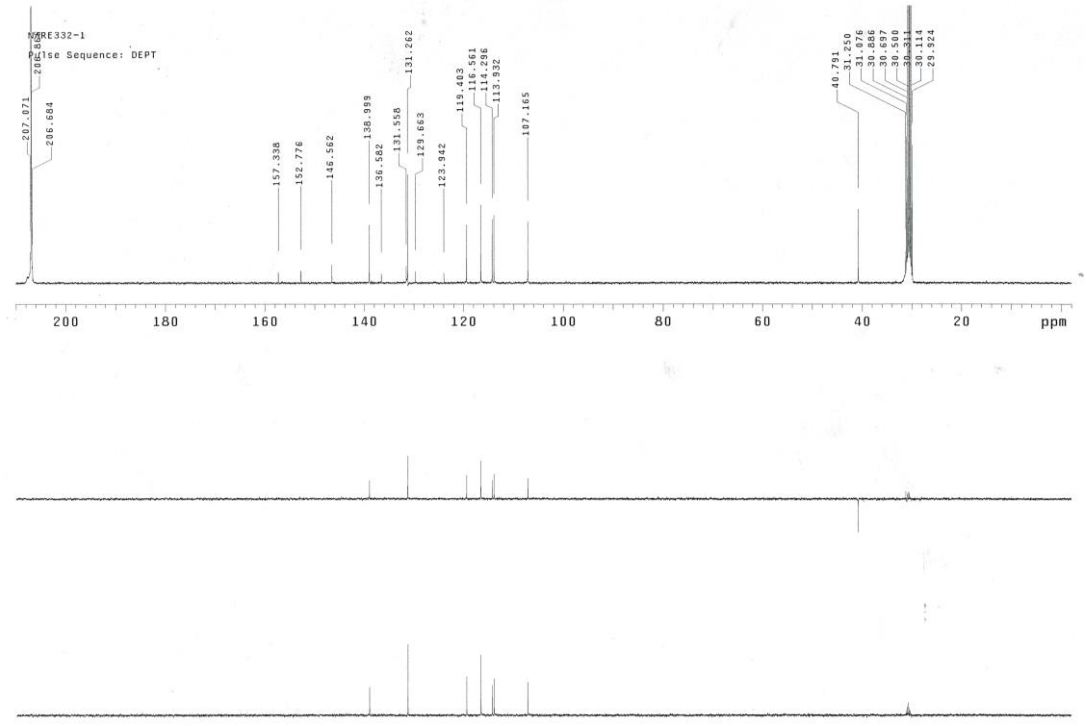


Figure S5 DEPT spectrum of **1**

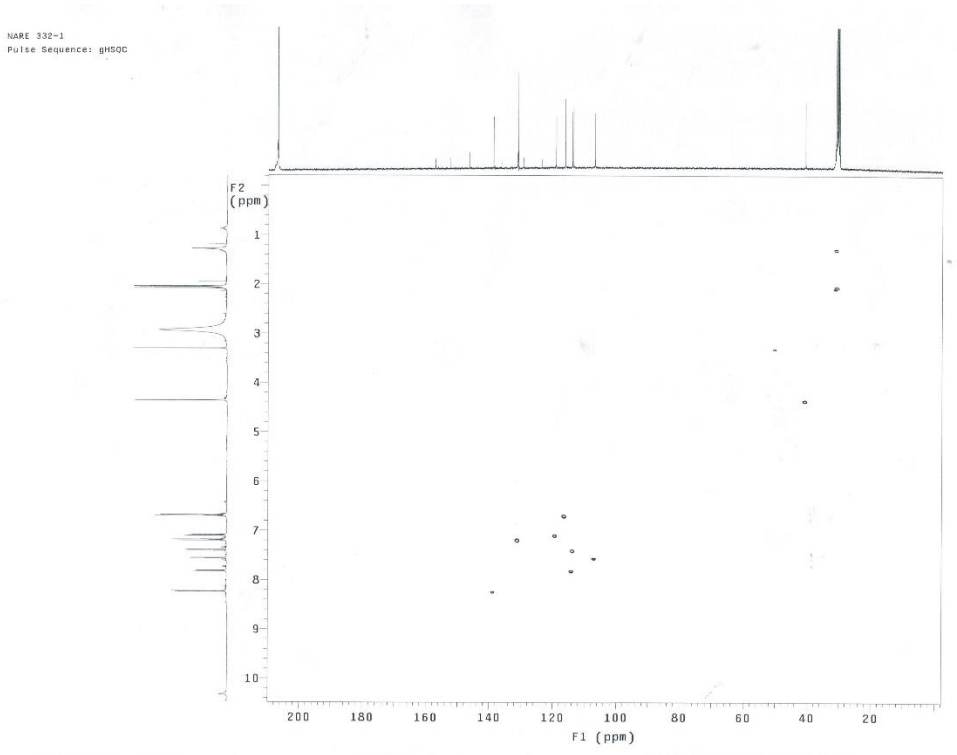


Figure S6 HSQC spectrum of **1**

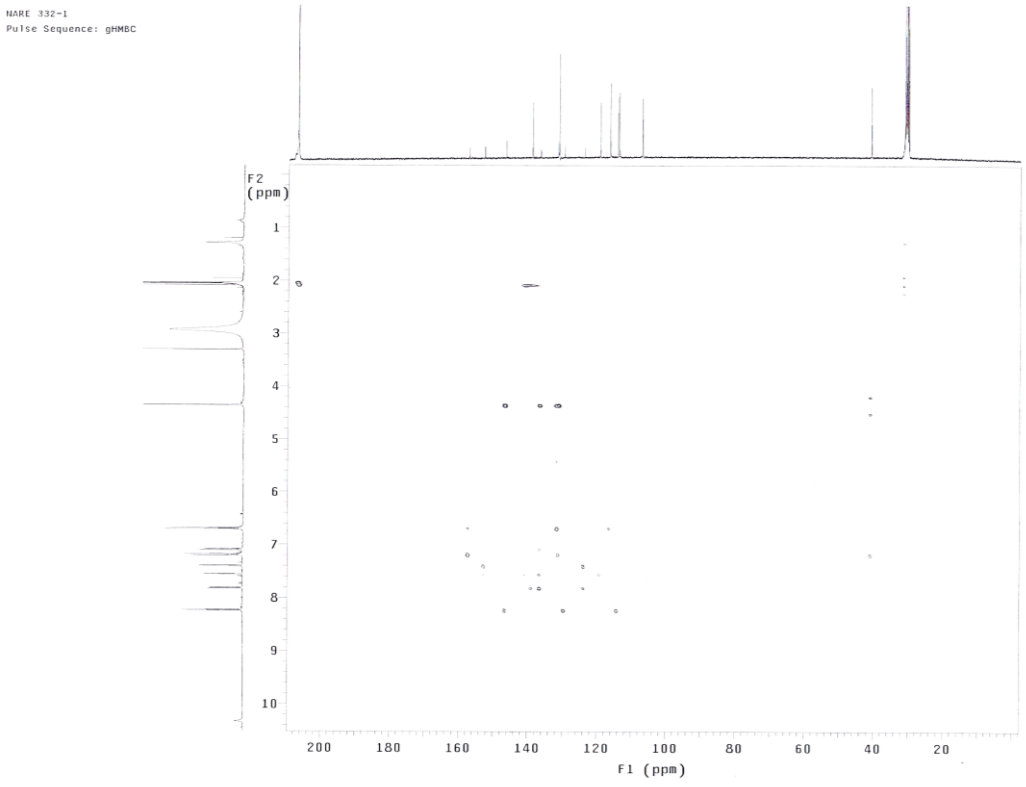


Figure S7 HMBC spectrum of **1**

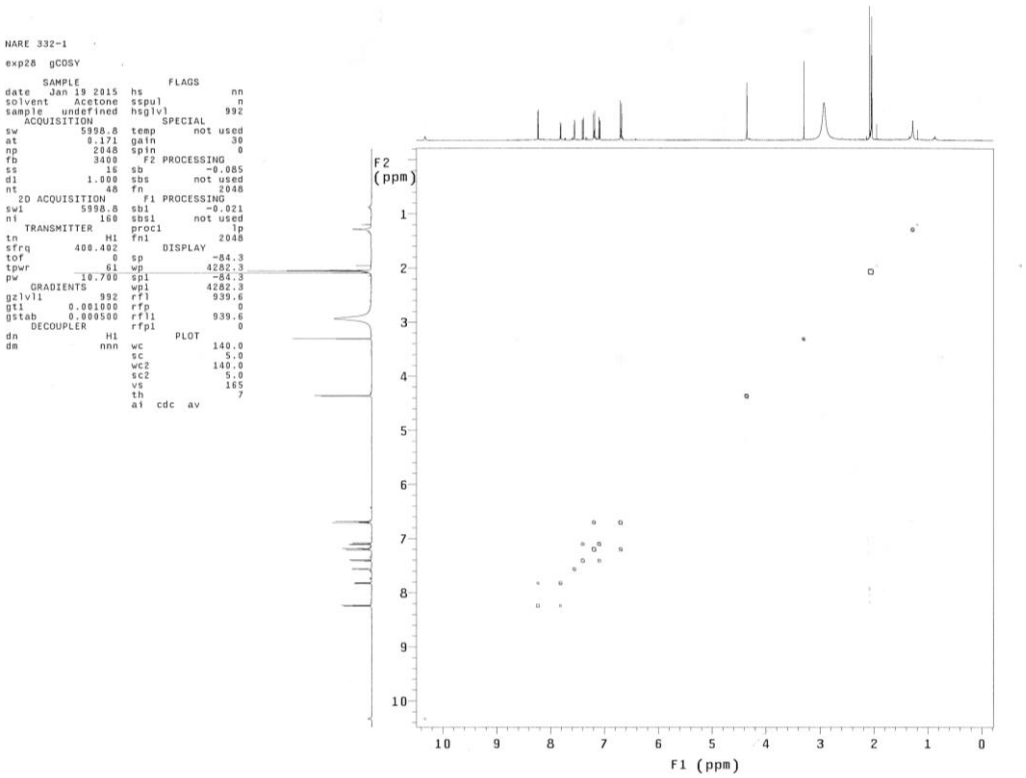


Figure S8 COSY spectrum of **1**

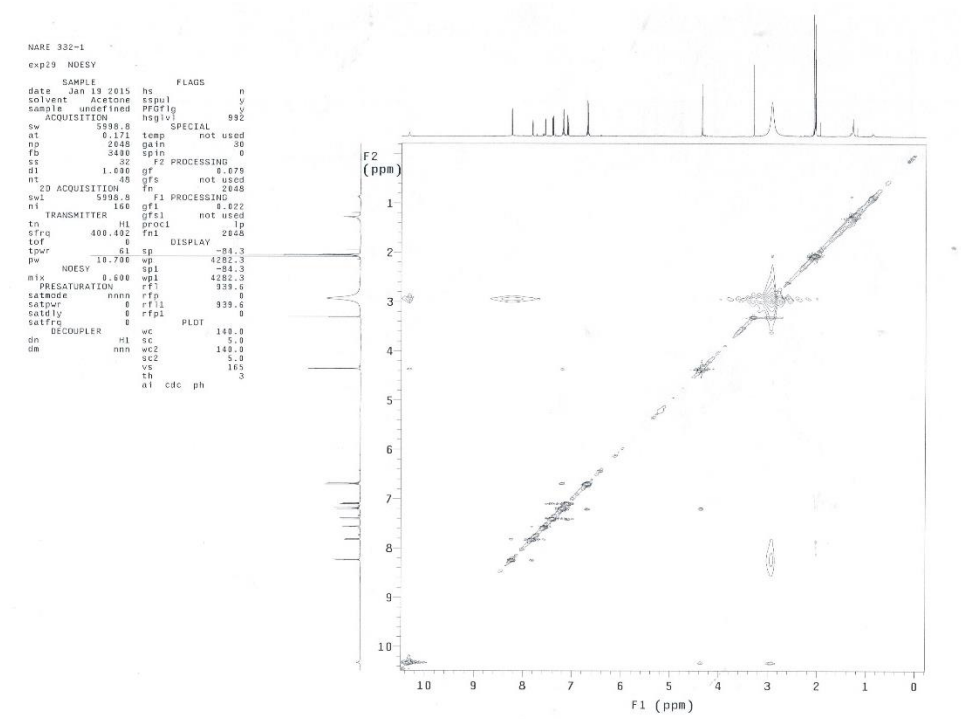


Figure S9 NOESY spectrum of **1**

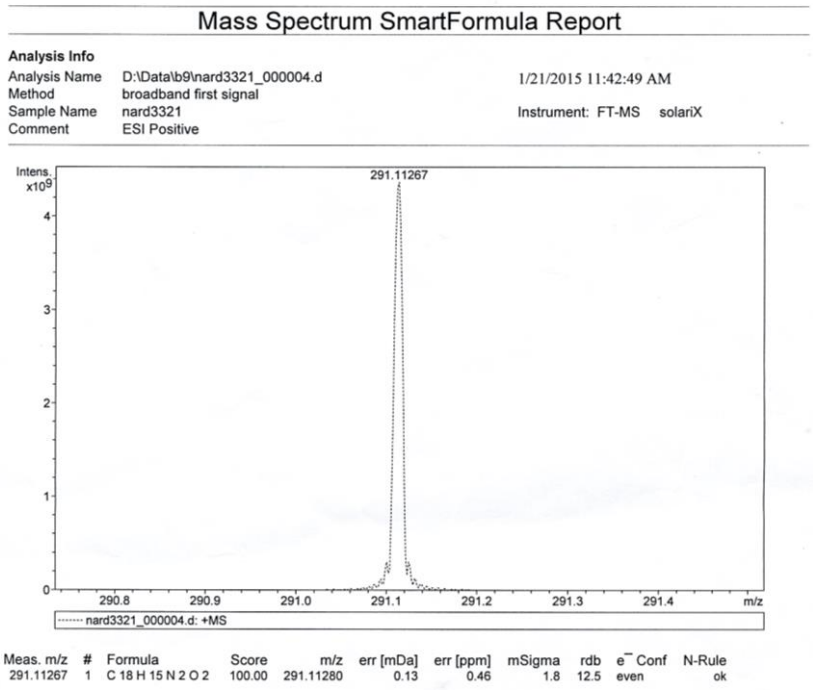


Figure S10 HRESIMS spectrum of **1**

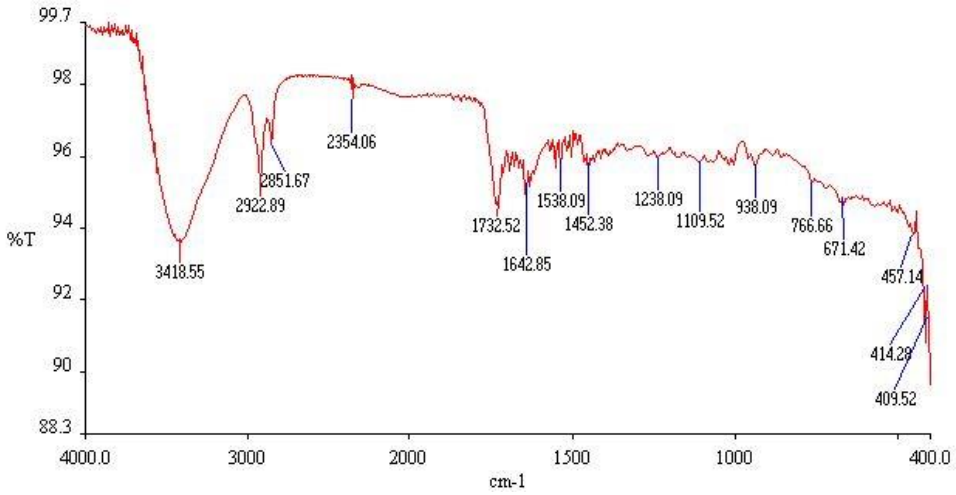


Figure S11 FT-IR spectrum of **2**

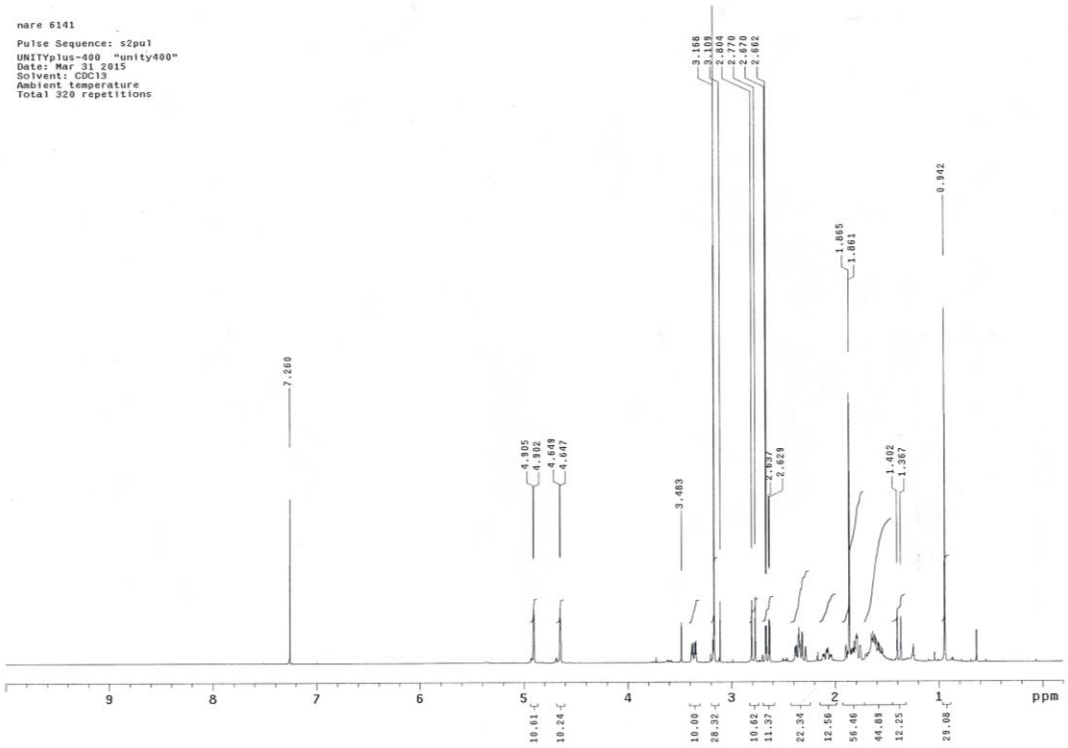


Figure S12 ^{1}H NMR spectrum of **2** (400 MHz, $CDCl_3$)

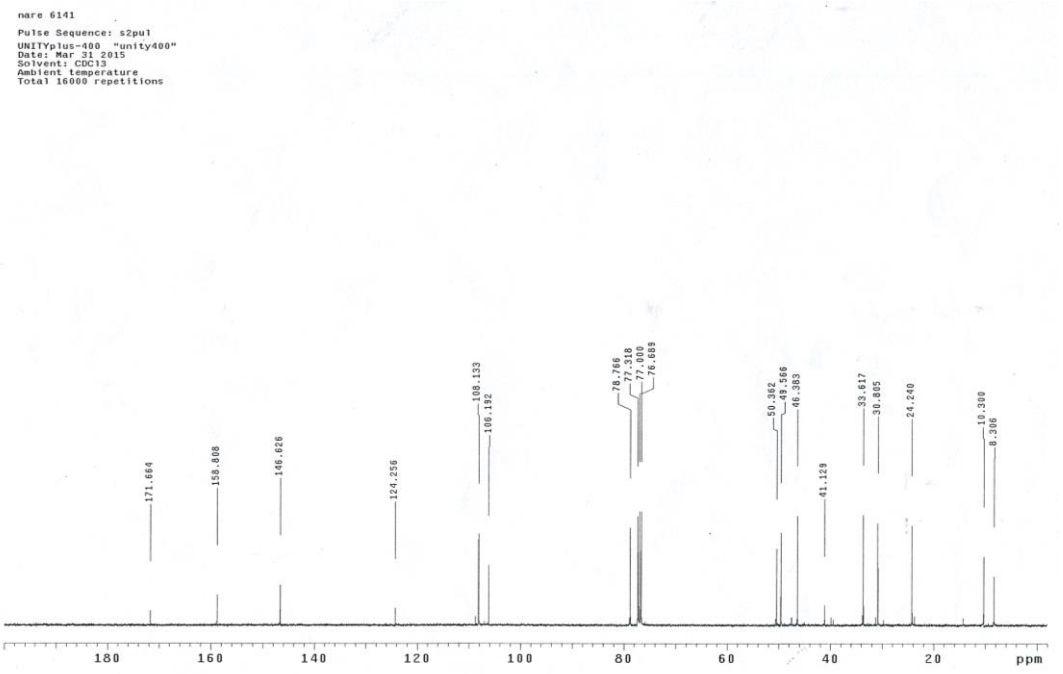


Figure S13 ^{13}C NMR spectrum of **2** (100 MHz, $CDCl_3$)

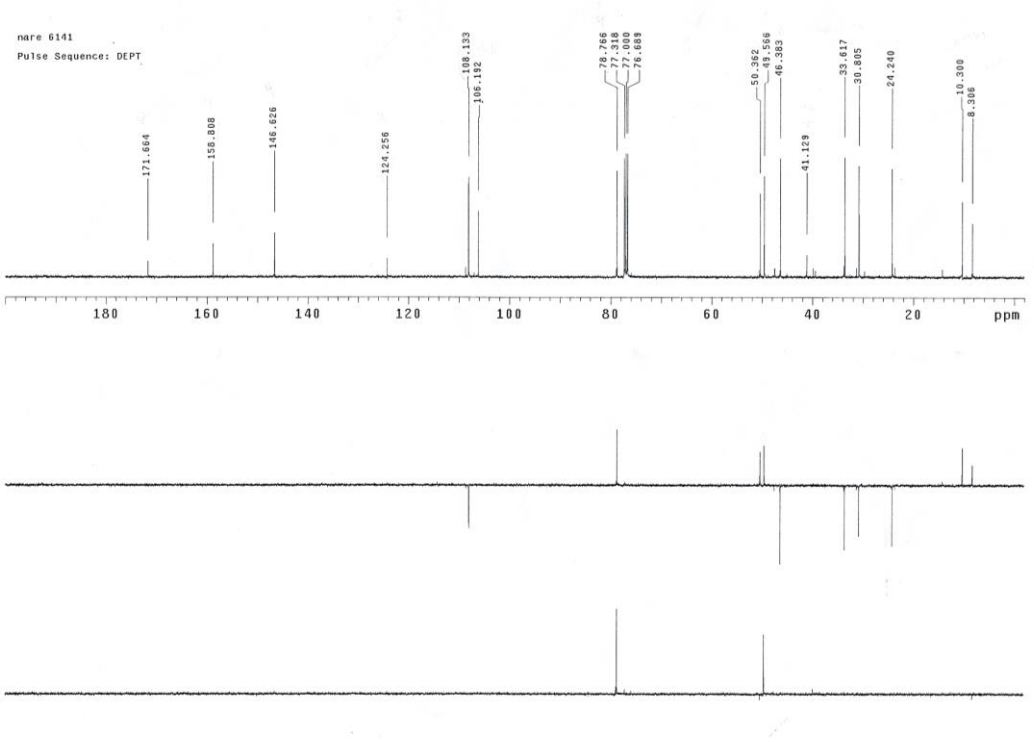


Figure S14 DEPT spectrum of **2**

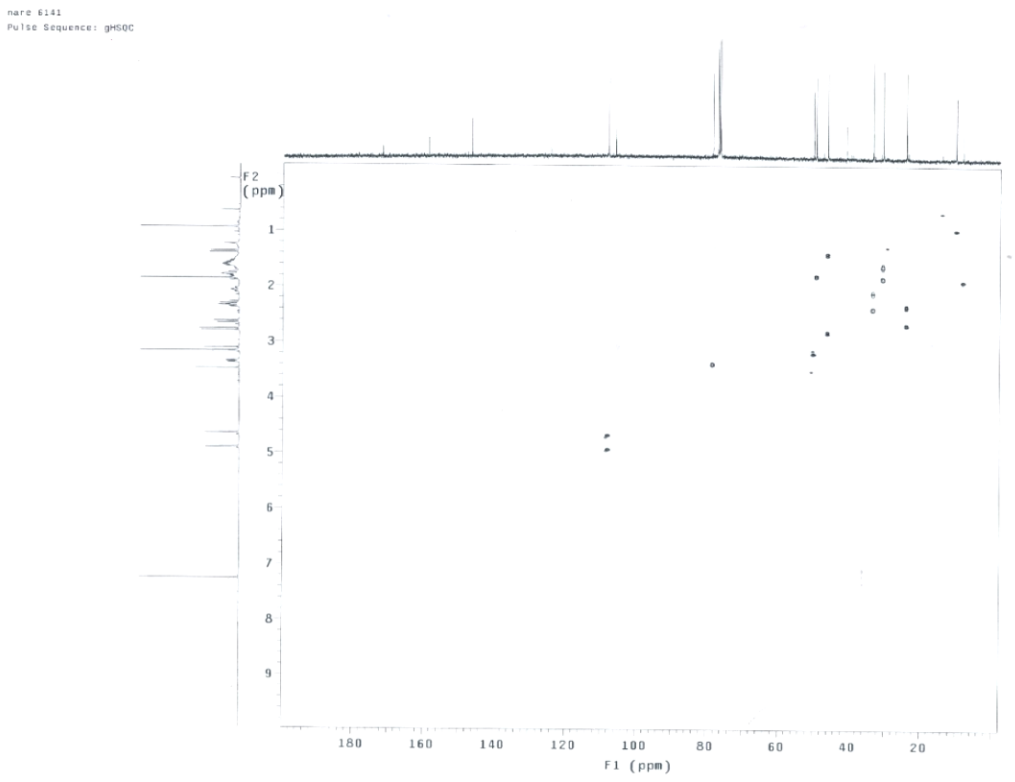


Figure S15 HSQC spectrum of **2**

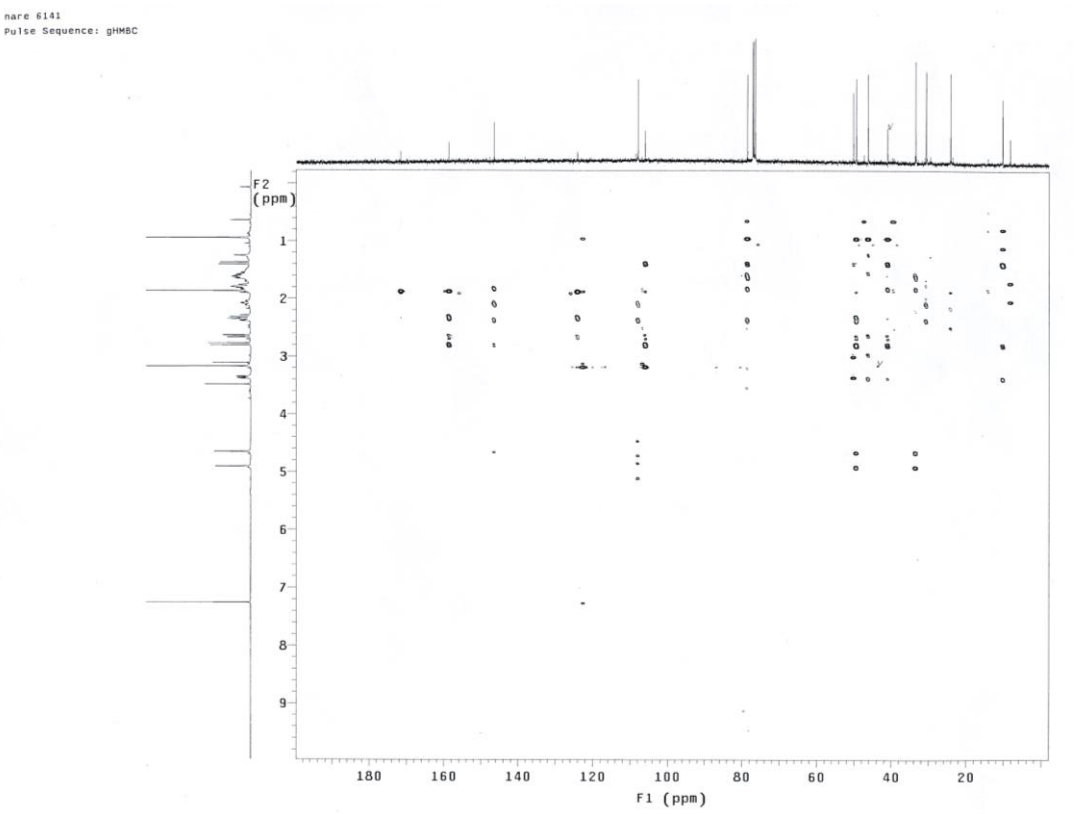


Figure S16 HMBC spectrum of **2**

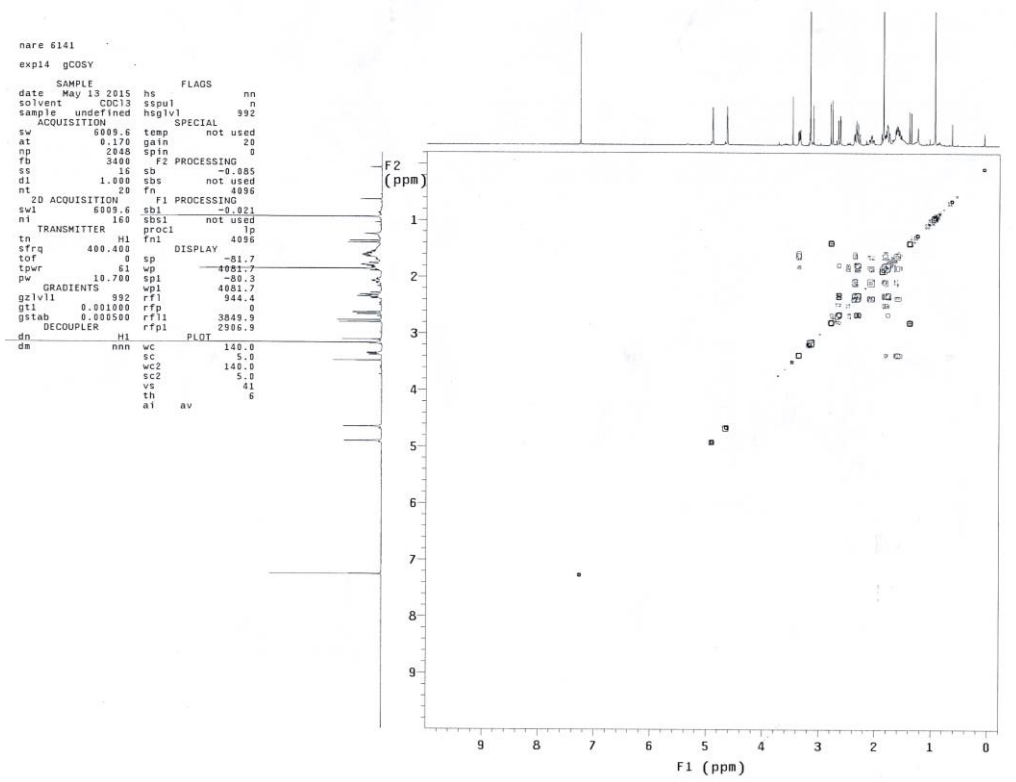


Figure S17 COSY spectrum of **2**

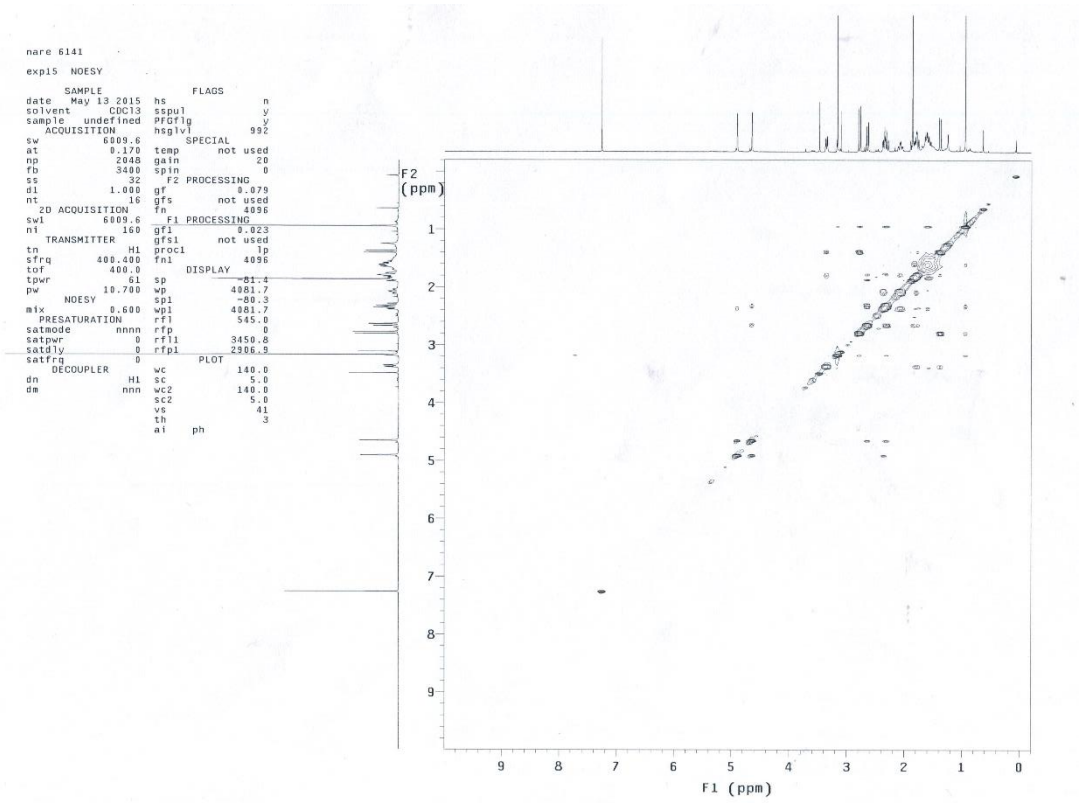


Figure S18 NOESY spectrum of **2**

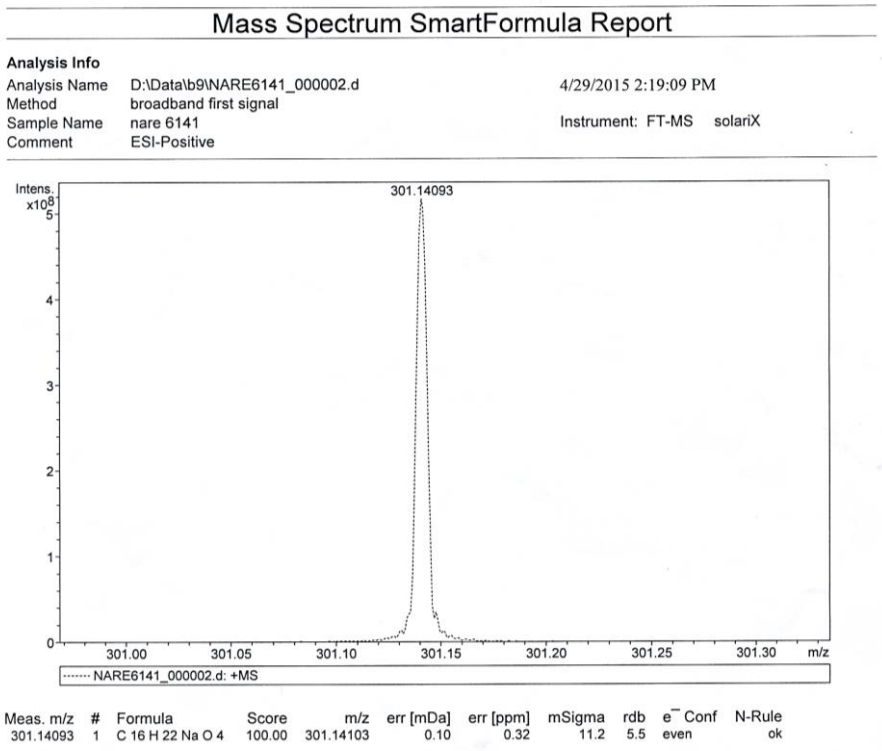
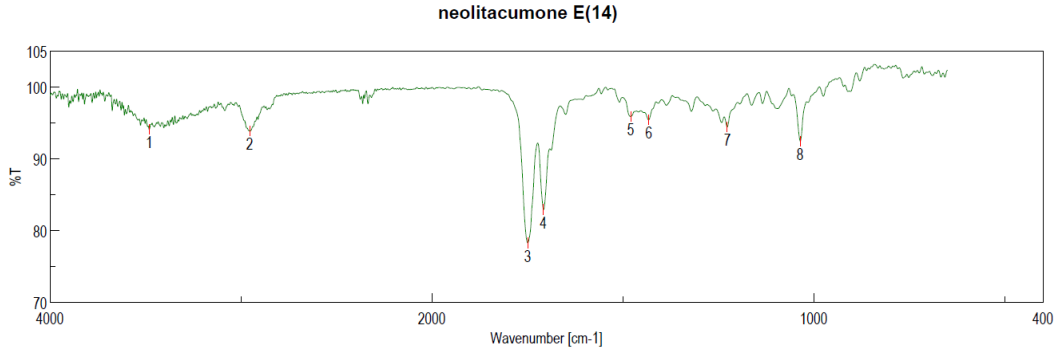


Figure S19 HRESIMS spectrum of **2**



[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity	No.	Position	Intensity
1	3478.95	94.0693	2	2954.41	93.8672	3	1749.12	78.2845
4	1707.66	82.9194	5	1479.13	95.9004	6	1431.89	95.4234
7	1226.5	94.4163	8	1035.59	92.4426			

Figure S20 FT-IR spectrum of **3**

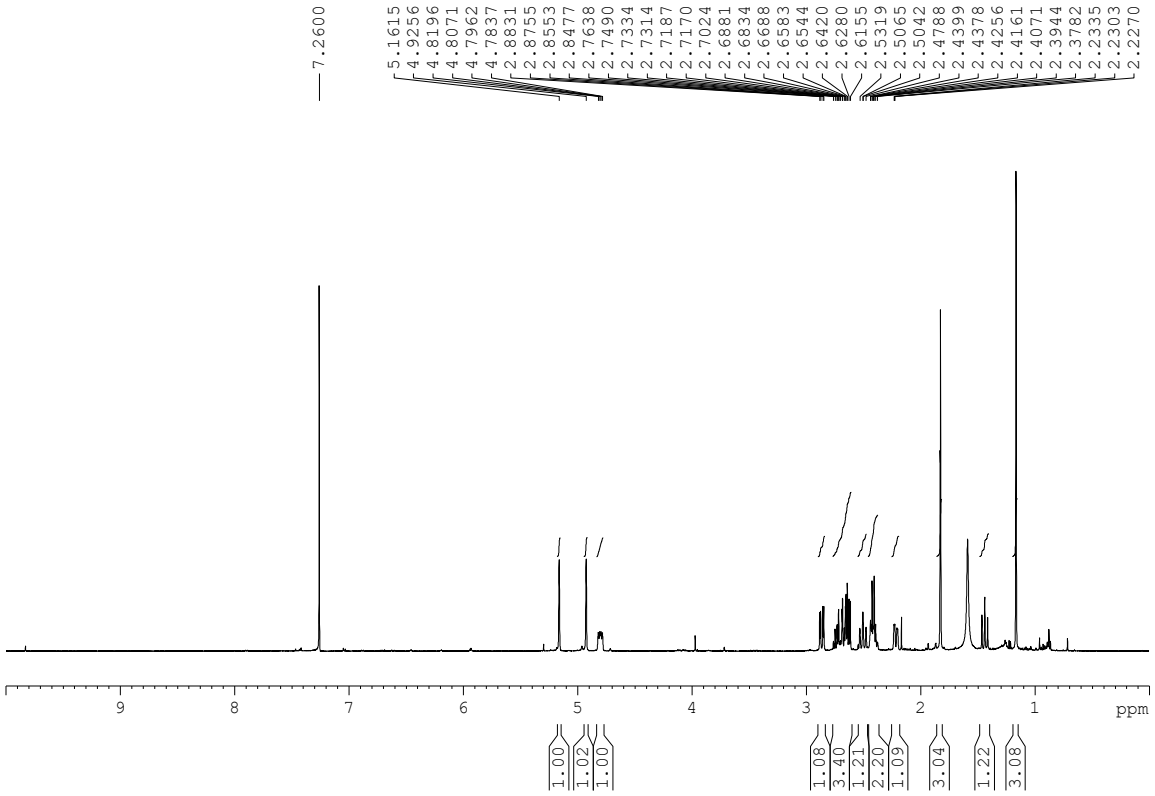


Figure S21 ^{1}H NMR spectrum of **3** (500 MHz, $CDCl_3$)

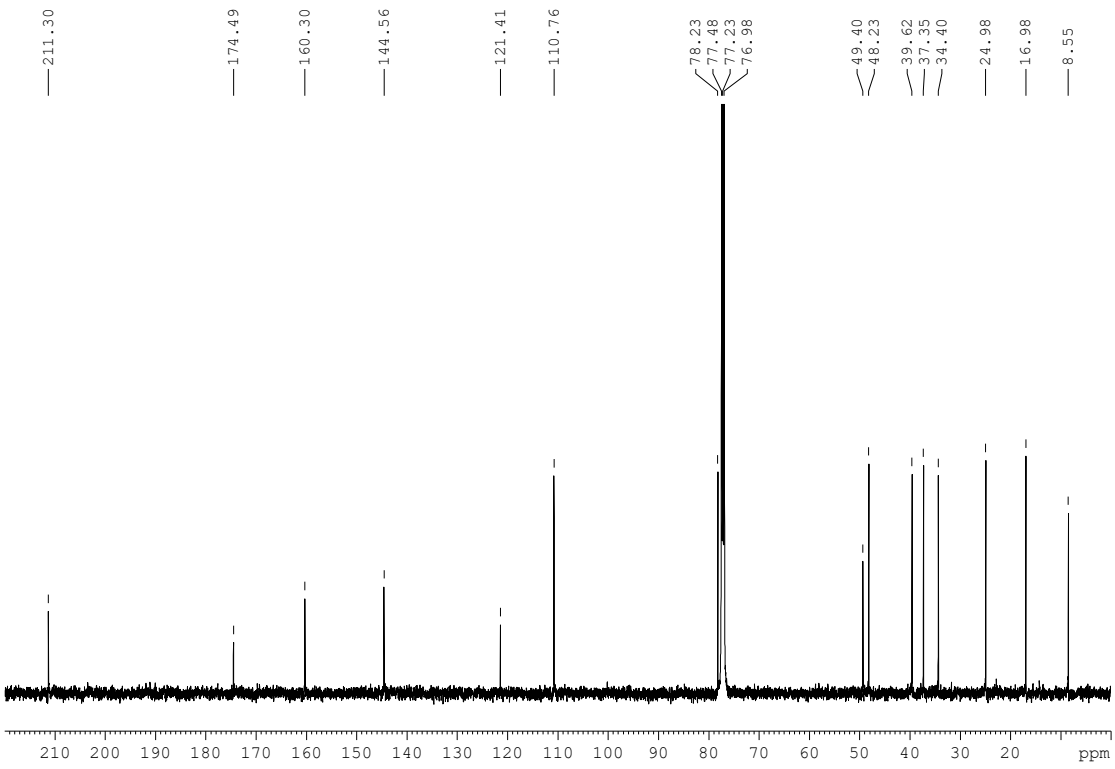


Figure S22 ^{13}C NMR spectrum of **3** (125 MHz, $CDCl_3$)

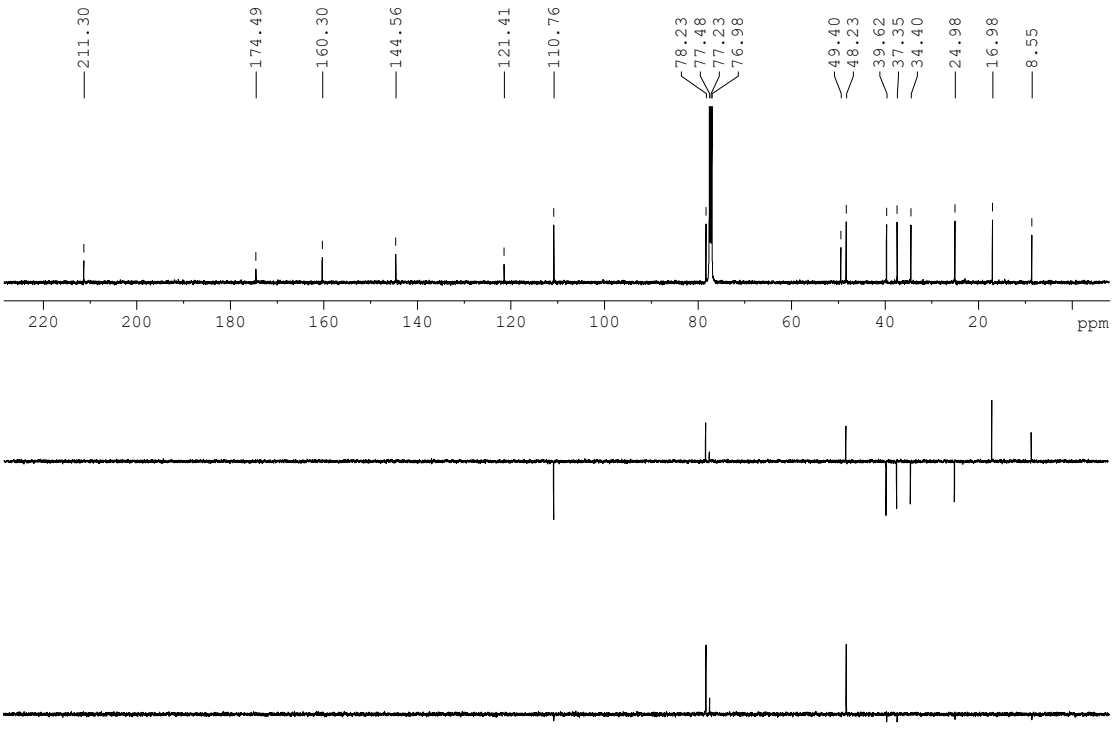


Figure S23 DPET spectrum of **3**

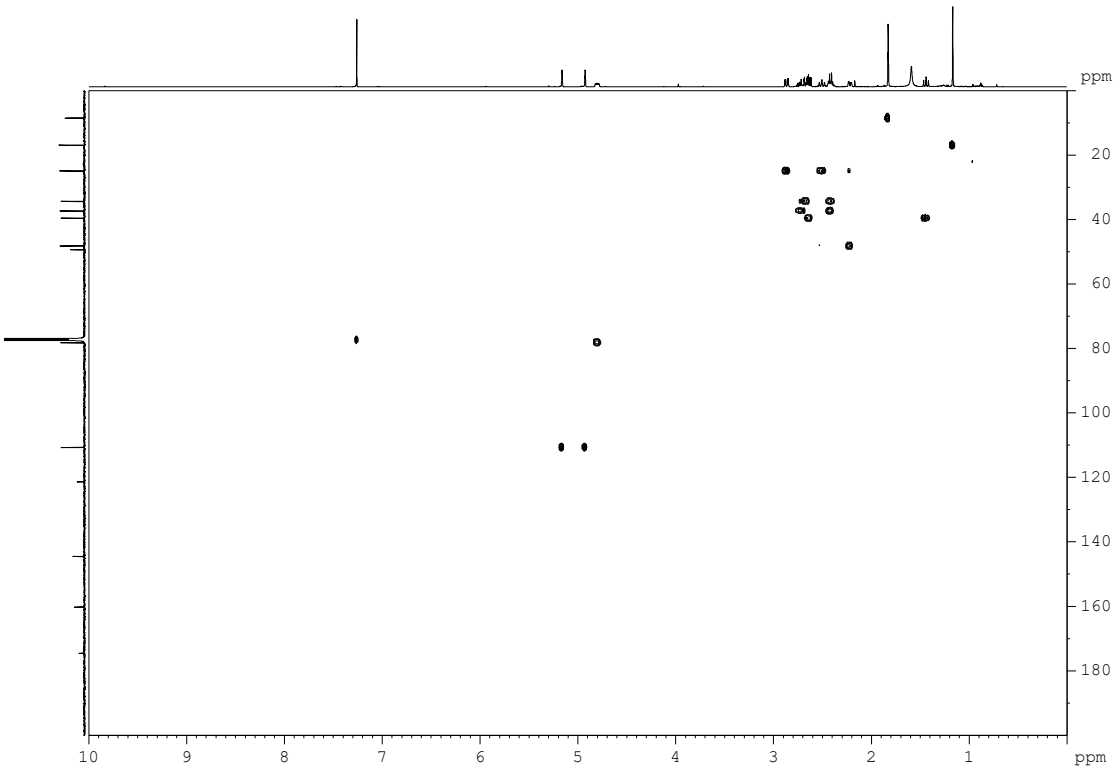


Figure S24 HSQC spectrum of **3**

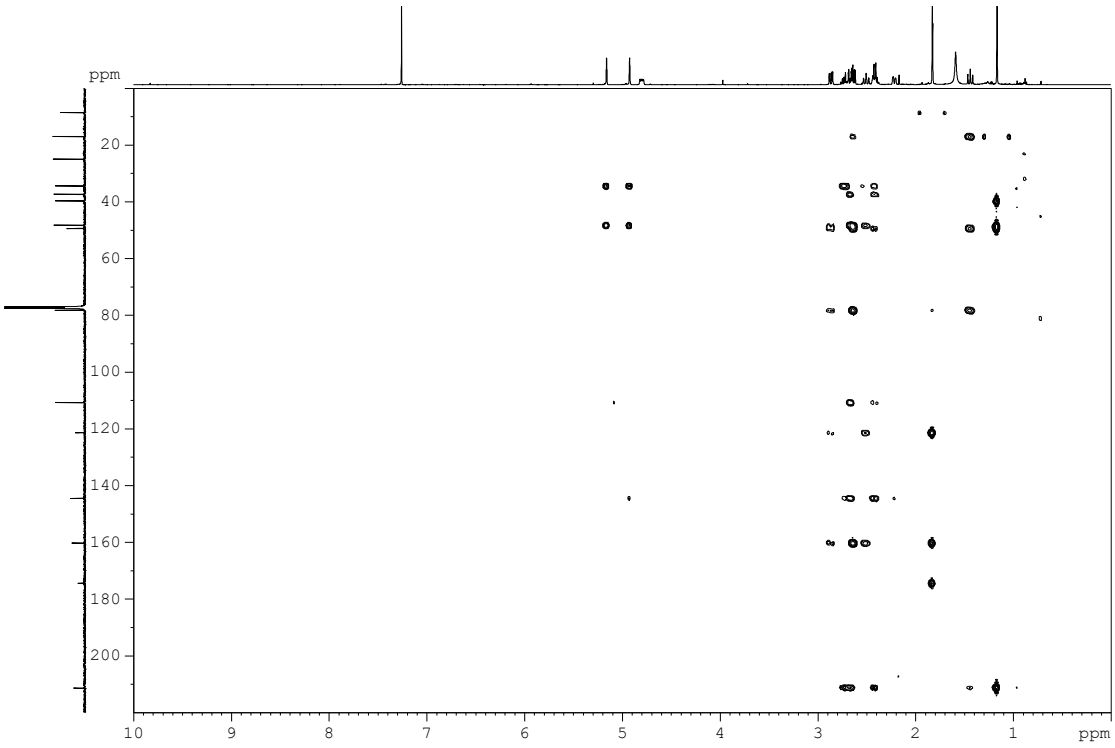


Figure S25 HMBC spectrum of **3**

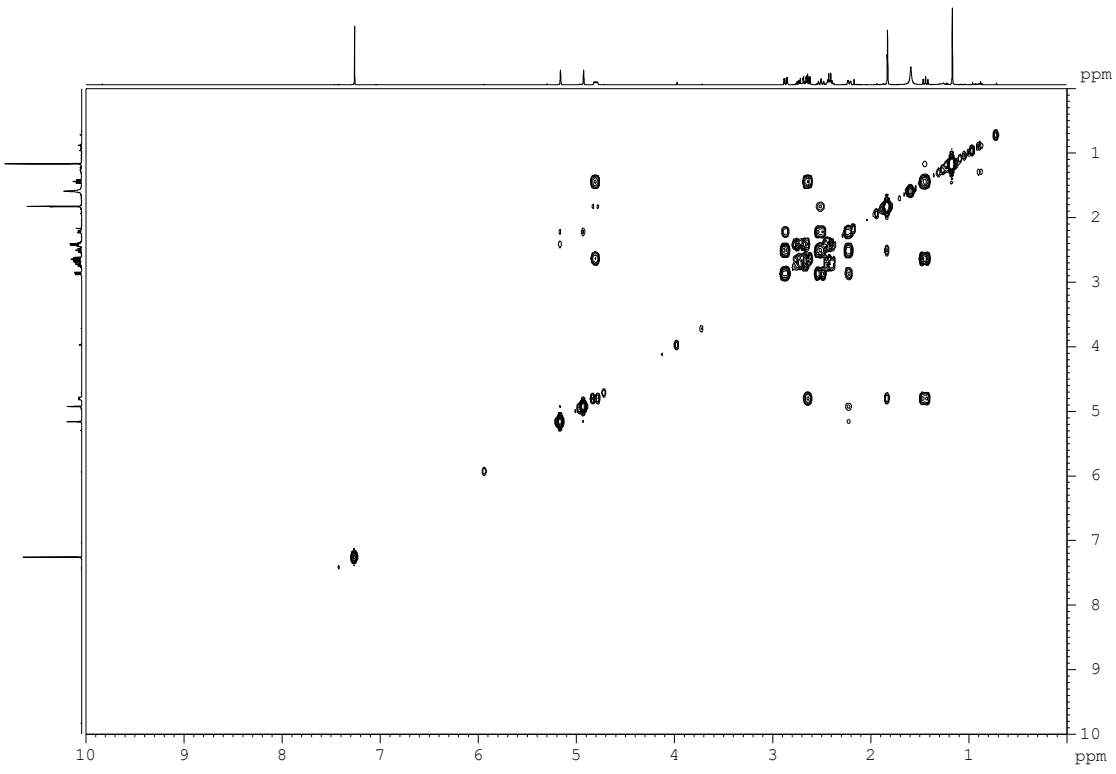


Figure S26 COSY spectrum of **3**

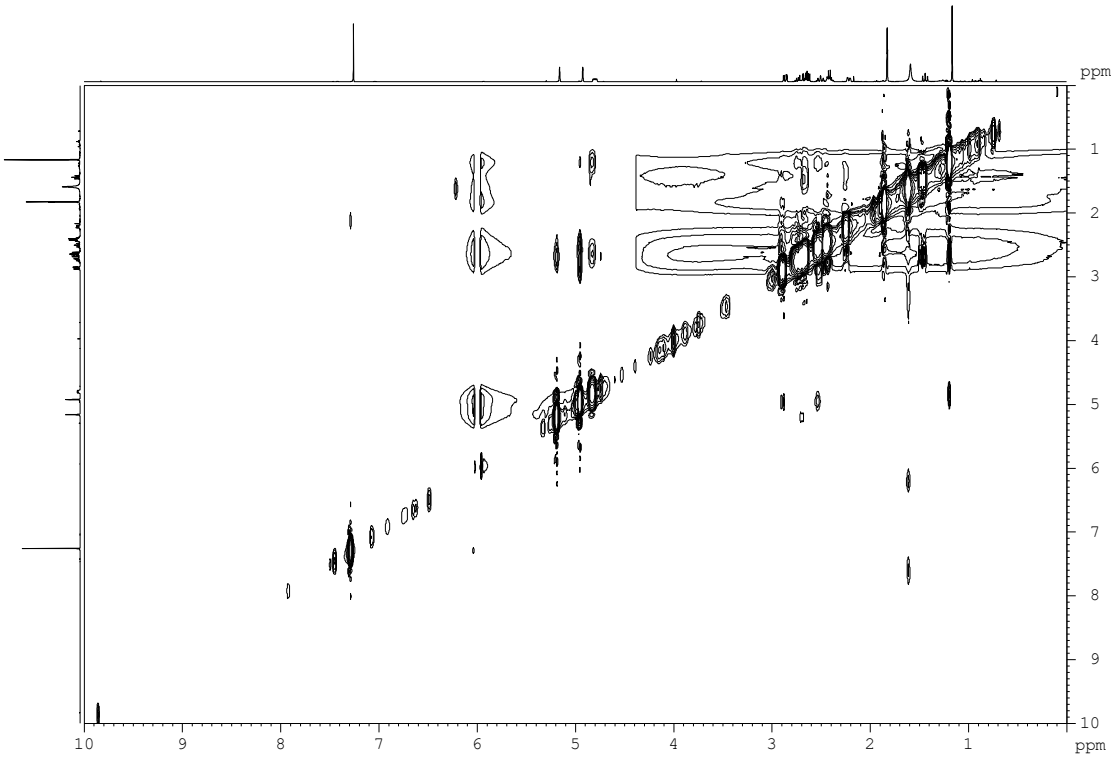


Figure S27 NOESY spectrum of **3**

Mass Spectrum SmartFormula Report

Analysis Info

Analysis Name	D:\Data\b9\D531110_000009.d	8/26/2016 3:53:44 PM
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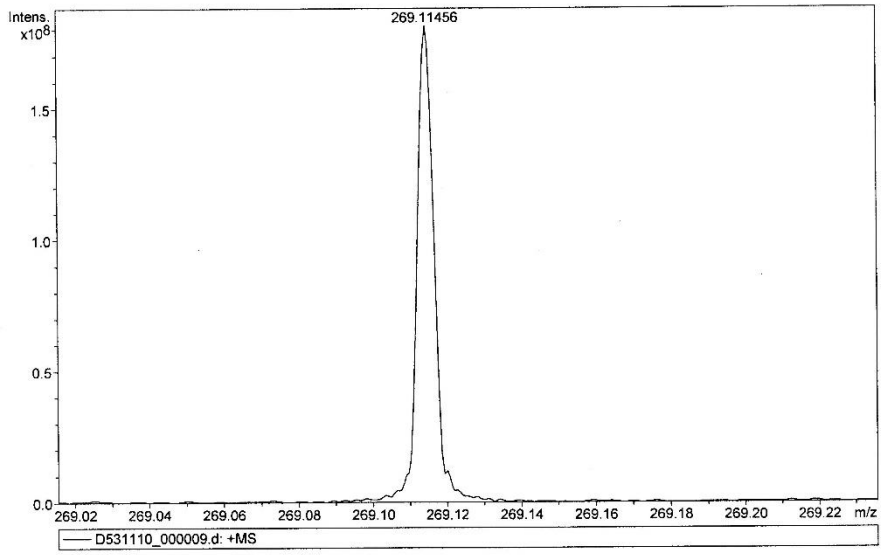
Sample Name	D5311-10	Instrument: BRUKER FT-MS solariX
Comment	ESI Positive	



Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
269.11456	1	C 15 H 18 Na O 3	100.00	269.11482	0.25	0.94	3.9	6.5	even	ok

Figure S28 HRESIMS spectrum of **3**